



NATIONAL BIOMETRIC SECURITY PROJECT

NBSP

- Background
- Origin
- Mission
- Objectives

*“Who steals my purse steals trash; ‘tis
something, nothing; ‘twas mine, ‘tis his,
and has been slave to thousands;*

*But he that filches from me my good
name, robs me of that which not enriches
him and makes me poor indeed.”*

Shakespeare (Othello)

Biometrics

- A technology, technique, or process for the automated authentication of individual identity by means of comparative verification (one to one) or identification (one to many/exhaustive search), between a measurable feature or characteristic of a live person and a previously enrolled template of that same feature.

Types of Biometrics

- **Physiological**

Iris, finger, hand, palm, face, odor, etc

- **Behavioral**

Gait, keystroke, voice, signature, etc.

No one technology is suitable for all requirements. Generally, physiological biometrics with greater data points have wider applicability.

U.S Biometric Industry

August 2001

Long evolutionary path (30+ years)

Fragmented (120+ small companies)

Highly competitive...uneven marketing and focus

Hindered by ignorance and barriers (privacy issue)

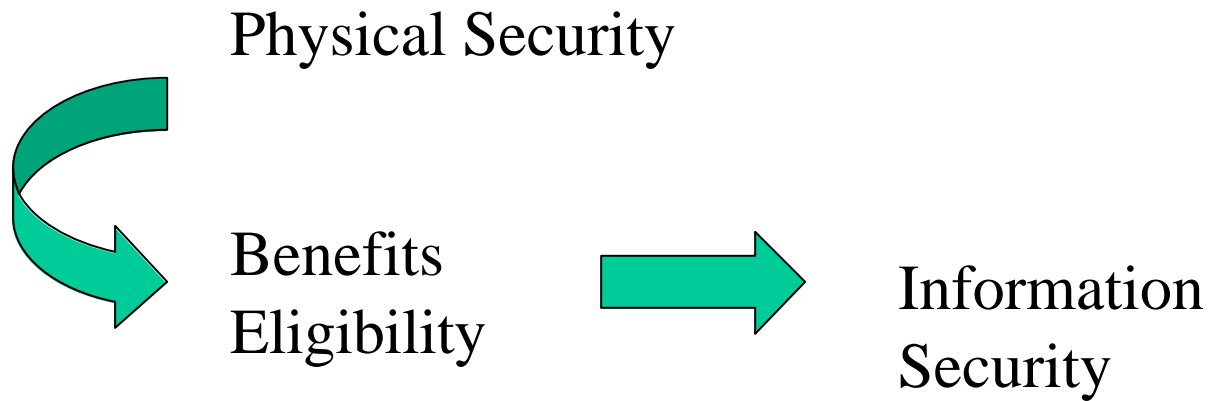
“Ad Hoc” standards, limited in scope

Market “pull” ambiguous (not enough pain)

Proven performance, reliability, and cost

INDUSTRY STRATEGY

Deployment Prior to 9/11/01



The Attacks of September 2001

- ***Cloaked in anonymity and false identity***
- ***Demonstrated authentication vulnerabilities in many areas of the national infrastructure***

The Reaction Period

- **Why don't we have it and what can we do right now ?**

Exploitation

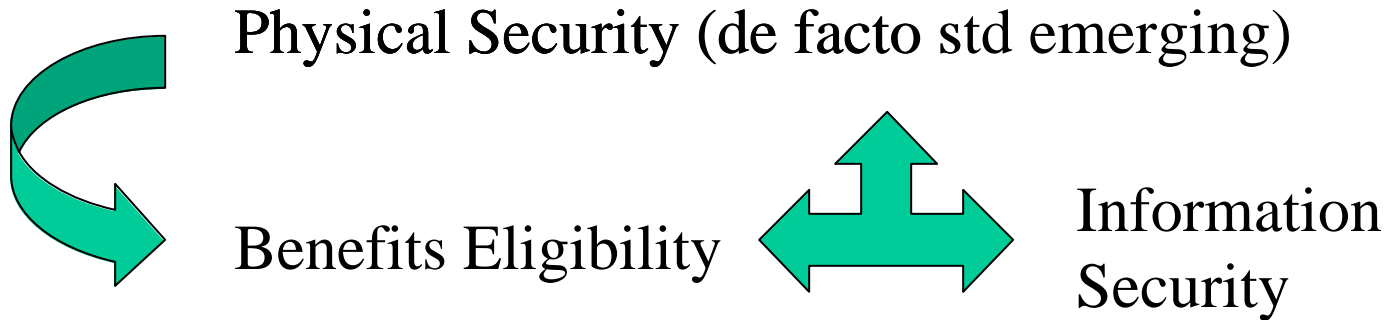
Media solutions

Hearings and heads

Controversy and complexity

INDUSTRY STRATEGY SHIFT

After 9/11/01



THE LONG TERM VIEW

- ***Biometric systems are not a quick fix***
- ***Substantial commitment in time and resources***
- ***Difficult to reverse course—be right the first time***
- ***Compatibility and interoperability are critical***
- ***Need for standards, training, and education***
- ***Need for fast-track, objective acquisition process***
- ***Respond to homeland security at all government levels and the private sector that manages the infrastructure***

HOW DO WE GET THERE ?

- ***New government organization ?***
- ***Revised mission for industry and academic organizations ?***
- ***Expand industry capability ?***
- ***Special project for homeland security !***

The COALITION



CITeR

NATIONAL BIOMETRIC SECURITY PROJECT

MISSION

Facilitate the application of positive human identification for the security of the civil national infrastructure in direct response to the international terrorist threat.

- * Coalition commitment to the war on terror***
- * Focused on infrastructure security***
- * Out-source for homeland security at all levels***
- * Non-profit, non-competitive, unbiased***

The Homeland Security and Infrastructure Threat

The Transportation System

- * Border security and international travel***
- * Civil aviation in general***

The Economic System

- * The financial network***
- * Key financial centers and facilities***

The Threat (cont)

The Social and Support Structure

- * Government operations and facilities (all branches)***
- * Life Services facilities (food, power, water, gas, oil)***
- * Historical and symbolic structures and functions***

The Communications System

- * Voice and data***
- * Internet availability and function***
- * Facilities and key centers***

NBSP TASKS and OBJECTIVES

- ➡ ***Unbiased assessment of requirements for end-users***
- ➡ ***Skilled services for fast-track acquisitions***
- ➡ ***Development of accurate industry and technical data***
- ➡ ***Institutional sponsor for standards development***
- ➡ ***Objective technology performance evaluation***
- ➡ ***Responsive, focused research***
- ➡ ***Support for education and training at all levels***
- ➡ ***Trusted advisor for policy-makers***

NBSP

Organization and Performance

Status in June 2002

- ***Incorporated in Washington DC***
- ***Non-profit (tax exempt status pending)***
- ***Congressional support for FY 03***
- ***Collaboration with DOD/BMO***
- ***Initial (pro-bono) work effort underway***

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A GUIDE
FOR THE
APPLICATION OF BIOMETRIC
TECHNOLOGY IN AUTOMATED
IDENTIFICATION SYSTEMS
FOR
HOMELAND SECURITY



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